

The MINERvA Operations Report

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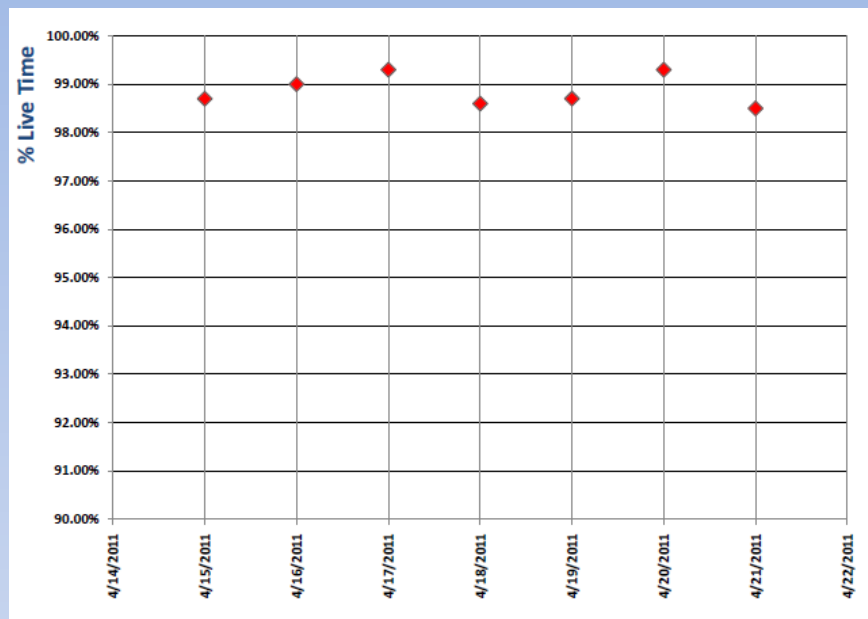
All Experimenters Meeting, April 25, 2011



v Data

% live time: Apr 15 – Apr 21

Date	NuMI Del. POT	MIN. Rec. POT	Live Time
15-Apr-2010	5.29E+17	5.22E+17	98.70%
16-Apr-2010	4.88E+17	4.84E+17	99.00%
17-Apr-2010	4.79E+17	4.75E+17	99.30%
18-Apr-2010	5.16E+17	5.08E+17	98.60%
19-Apr-2010	5.22E+17	5.15E+17	98.70%
20-Apr-2010	5.60E+17	5.56E+17	99.30%
21-Apr-2010	5.00E+17	4.92E+17	98.50%
Total	3.59E+18	3.55E+18	98.90%

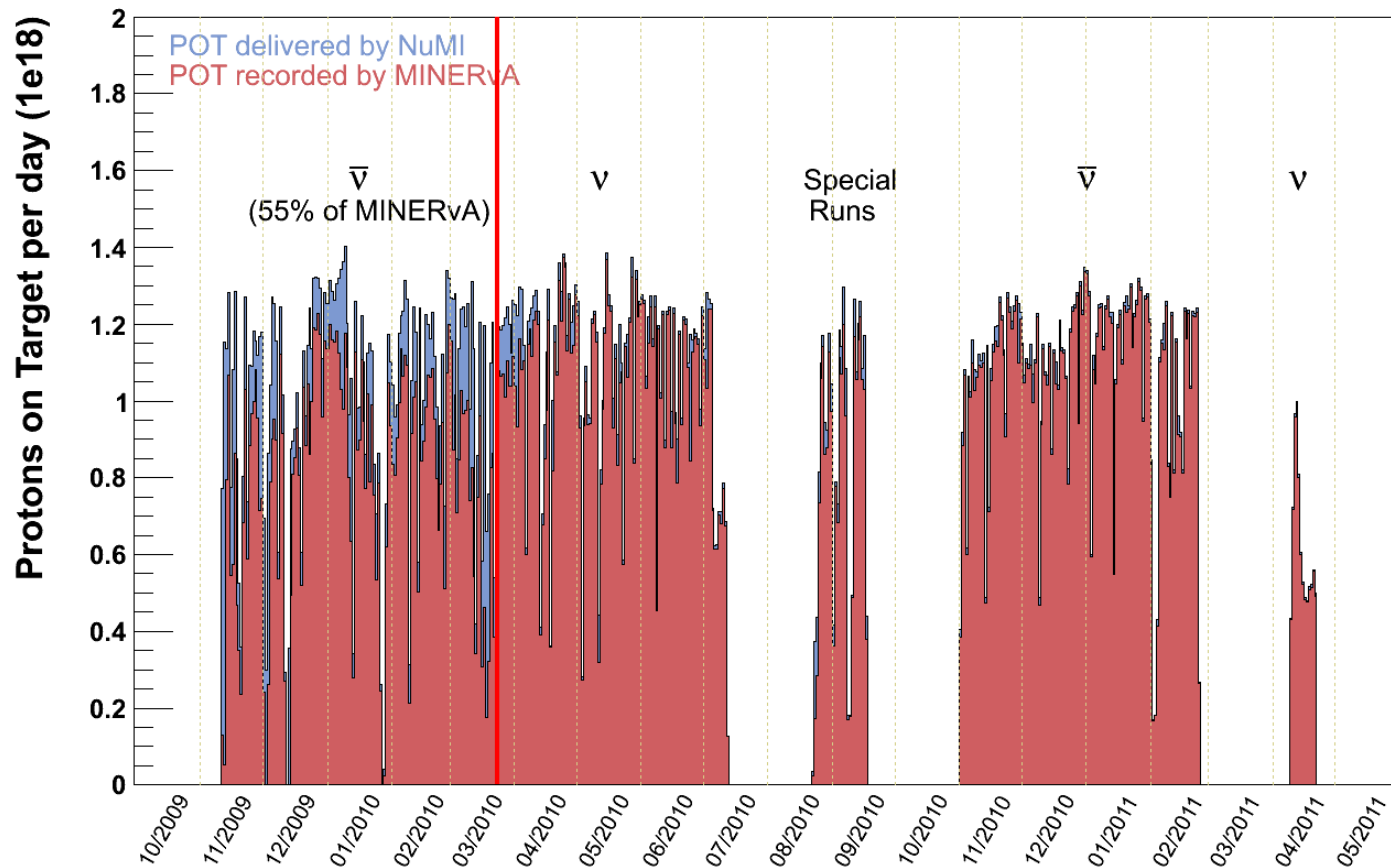


- **NuMI: 3.59×10^{18} POT** delivered from Apr 15 - Apr 21.
- **MINERvA: 3.55×10^{18} POT** recorded from Apr 15 - Apr 21, live time of **98.9%**.
- **MINOS: 3.19×10^{18} POT** recorded from Apr 15 - Apr 21, live time of **89.9%**.
- Currently running on v mode, 0 horn current, LE 250.
 - Plan to collect **7×10^{18} POT's** at this setting.
 - **3.6×10^{18} POT** delivered in horn off running (as Apr 24 by midnight).



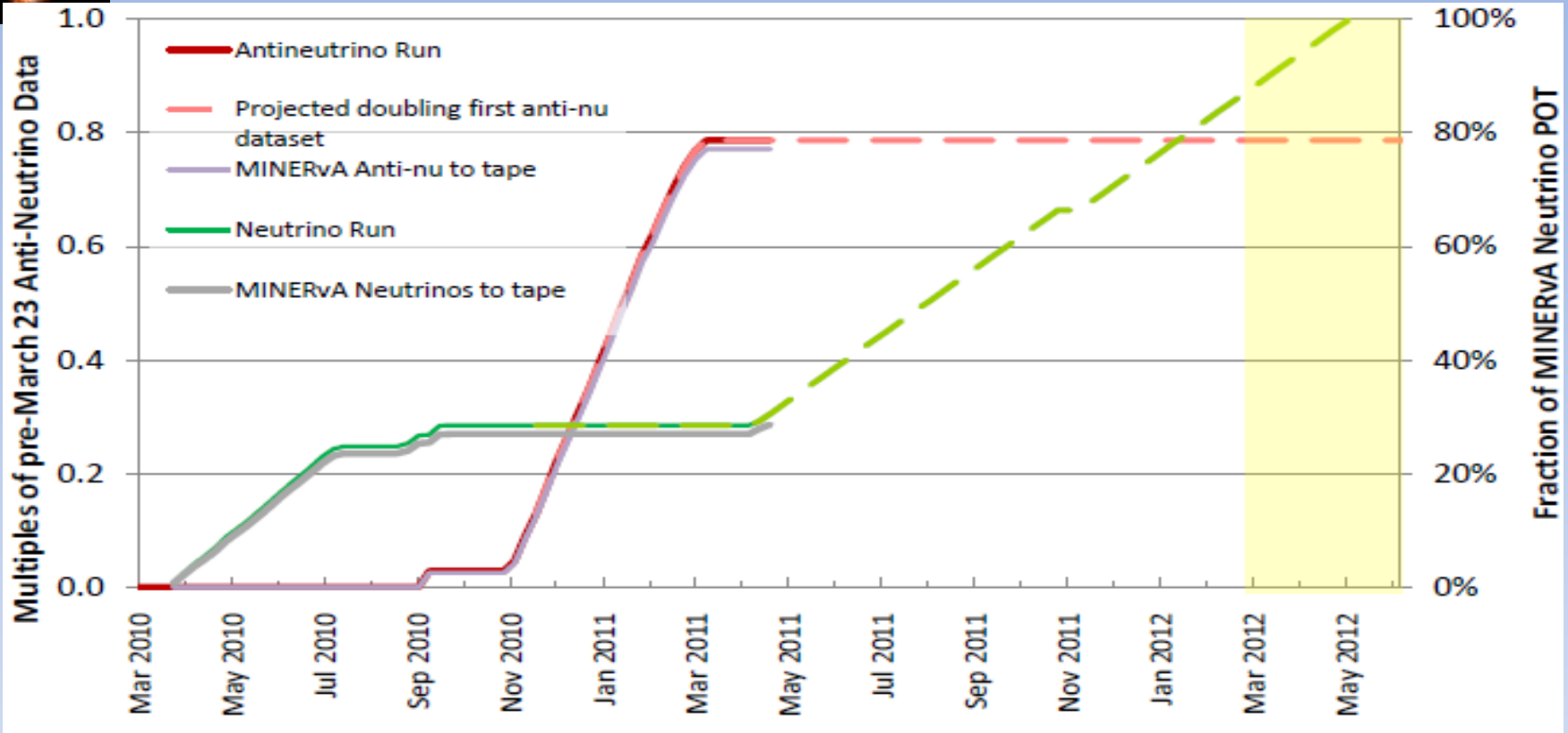
MINERvA POT/Day

November 2009 - Present





Accumulated POT to Apr 21

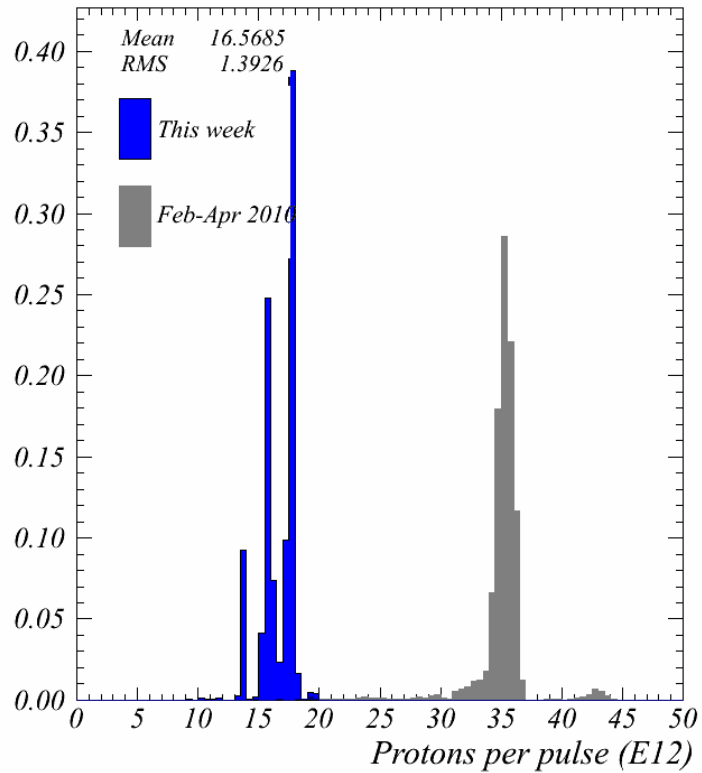


- Antineutrino Run, full scale corresponds to 1.76×10^{20} POT
 - # POT collected in anti-nu before Mar 23, 2010 (official start of MINERvA neutrino run).
- Neutrino Run, full scale corresponds to 4.9×10^{20} POT.
 - # of for which MINERvA project and experiment were reviewed and the detector built.
- Projected assume 0.92×10^{18} POT per day plus 2 week shutdown to change target
 - # POTs – average over the uptime during the past 1.5 years

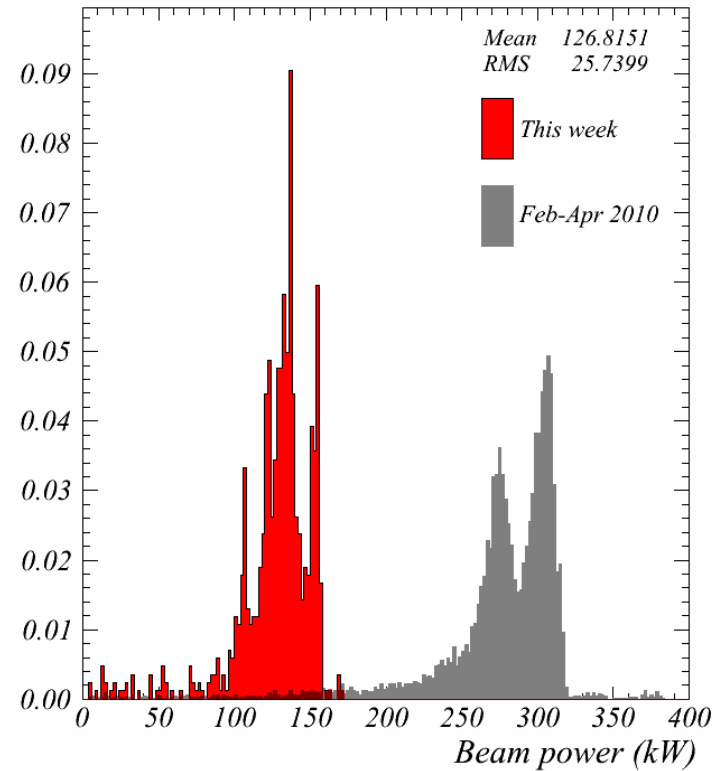


NuMI Beam Plots

Week ending 00:00 Monday 25 April 2011

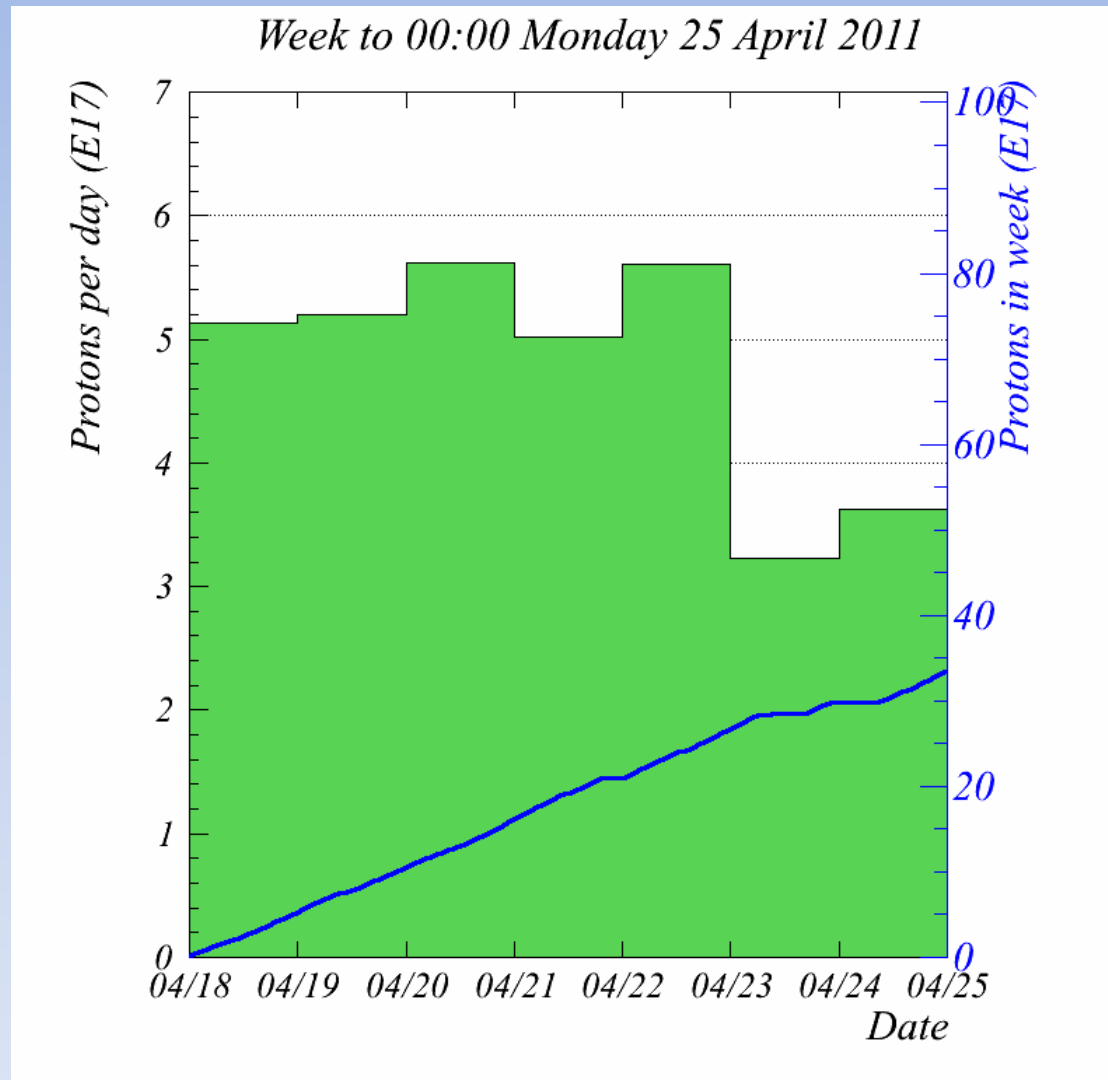


Week ending 00:00 Monday 25 April 2011





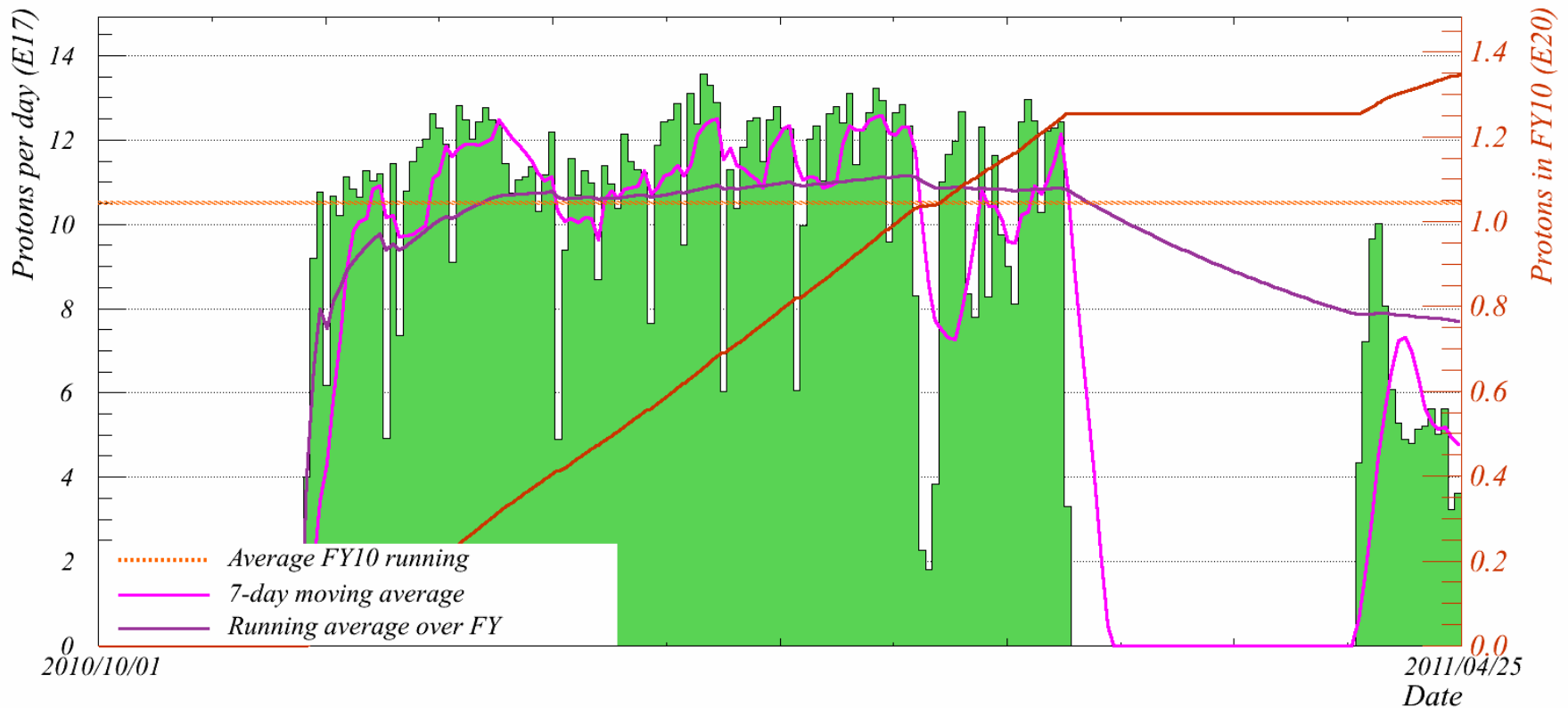
Protons for the Week





FY2011 Protons

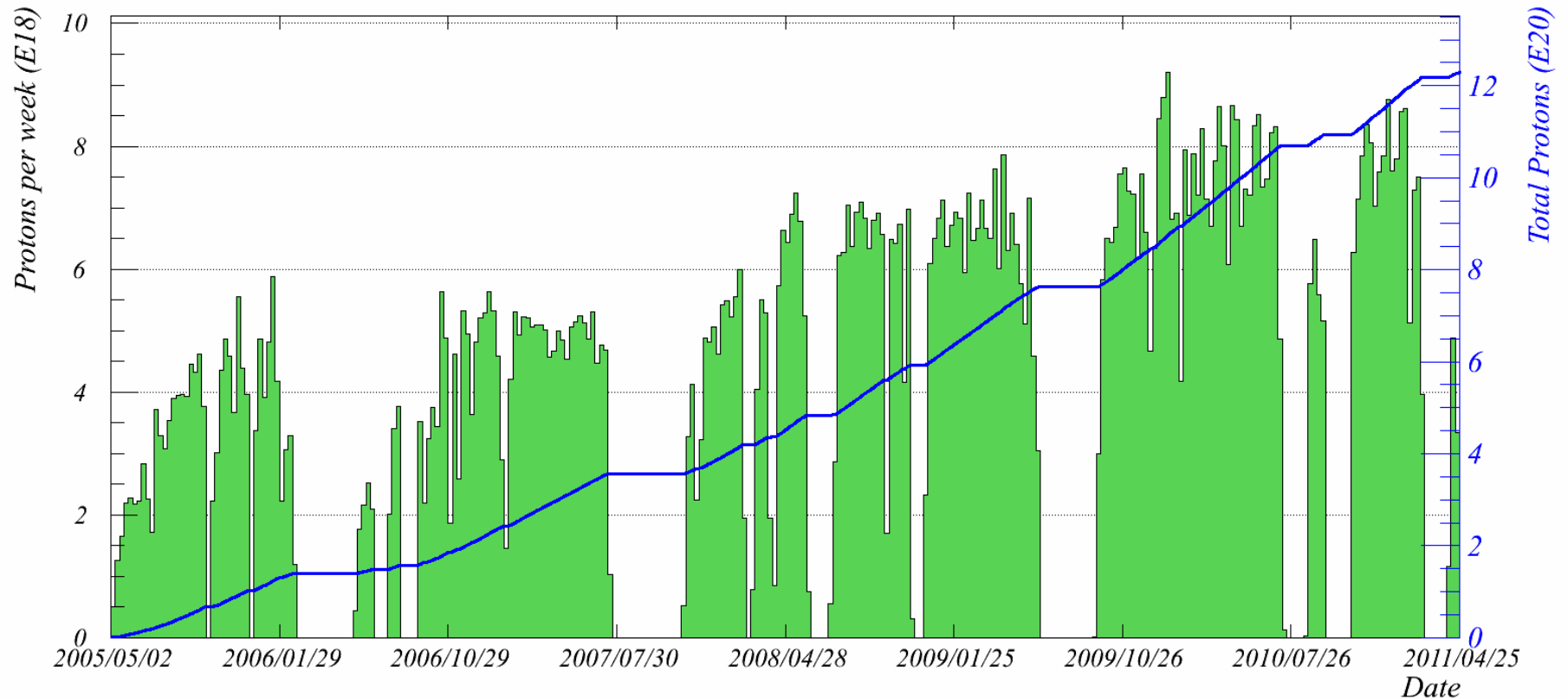
FY11 NuMI protons to 00:00 Monday 25 April 2011



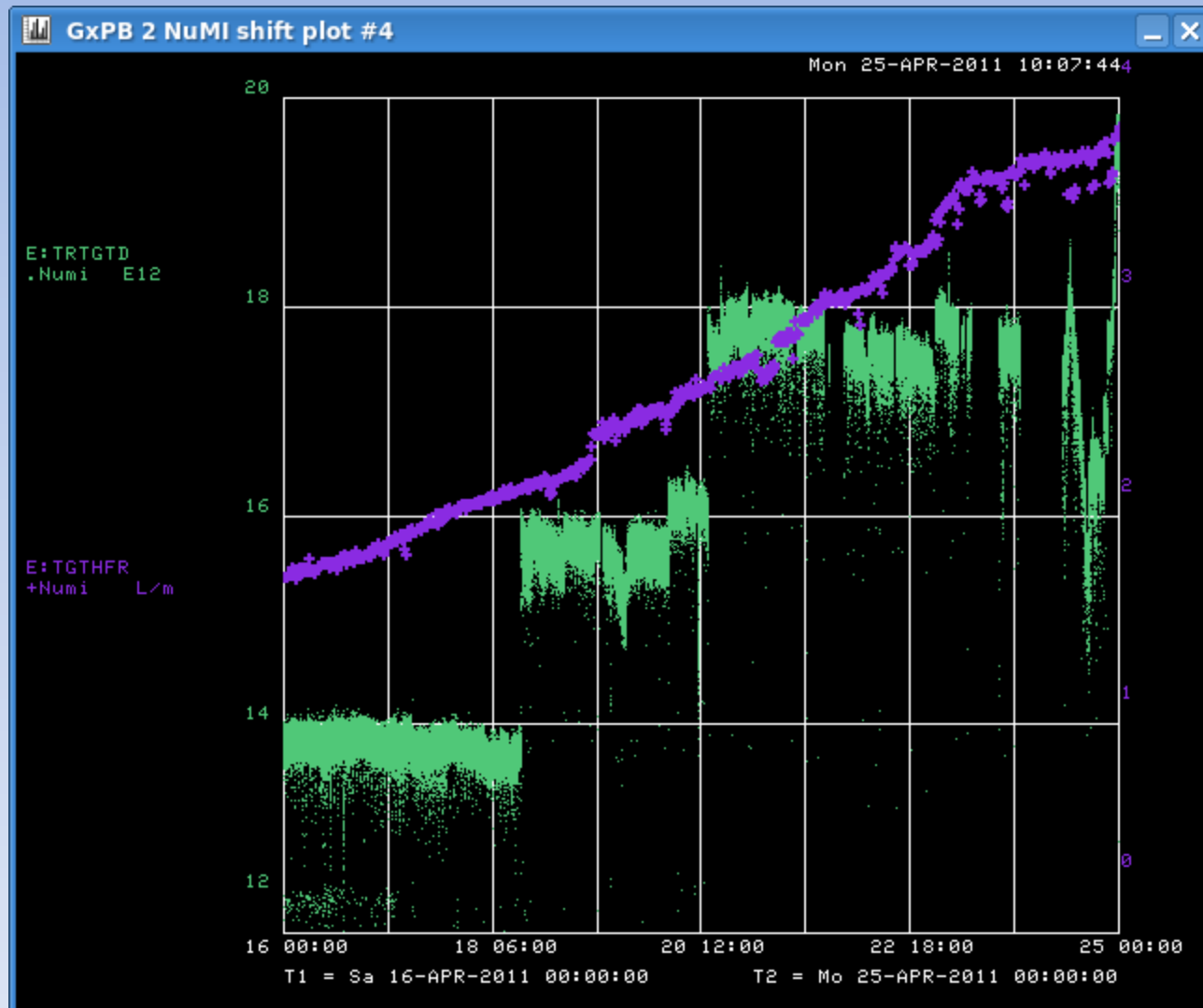


NuMI Protons over History

Total NuMI protons to 00:00 Monday 25 April 2011



Helium flow rate: Apr 16 – Apr 24



He leak rate

POT rate

Plot start midnight
Apr 15, end
midnight Apr 24.